

**WHAT IS CLAIMED IS:**

1. A golf ball comprising a core and a cover  
covering the core, wherein the cover comprises  
polyurethane-based thermoplastic elastomer formed by using  
5 cycloaliphatic diisocyanate as a base resin.

2. The golf ball according to Claim 1, wherein  
the core is formed from rubber composition  
comprising cis-1,4-polybutadiene and has a deformation  
amount of 2.5 to 4.5 mm, when applying from an initial load  
10 of 98 N to a final load of 1275 N on the core, and

the golf ball has a deformation amount of 2.4 to  
4.0 mm, when applying from an initial load of 98 N to a  
final load of 1275 N on the golf ball.

3. The golf ball according to Claim 1, wherein  
15 the cycloaliphatic diisocyanate is at least one selected  
from the group consisting of 4,4'-dicyclohexylmethane  
diisocyanate, 1,3-bis(isocyanatomethyl)cyclohexane,  
isophorone diisocyanate, and trans-1,4-cyclohexane  
diisocyanate.

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